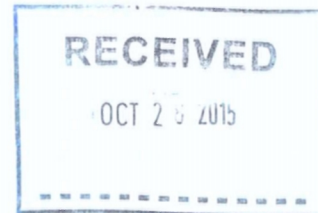




PH Harvey/SF
404
Gunderson LLC
4350 NW Front Avenue
Portland, Oregon 97210
Phone: (503) 972-5700
Fax: (503) 972-5986

October 27, 2015

U.S. Army Corps of Engineers
Permit Compliance Multnomah County
Post Office Box 2946
Portland, Oregon 97208-2946



**RE: CERCLA Notification of Work, NWP-1999-727-7, Gunderson LLC, Willamette River
Mile 8.9, Multnomah County, Oregon
Gunderson, LLC, 4350 NW Front Ave, Portland, OR**

Dear Michael,


In accordance with NWP 1999-727-7, this letter serves as notification that Gunderson LLC intends to place a 6-inch sand cover over construction areas affected under NWP-1999-727-7. The placement of the sand cover is scheduled to begin on October 29, 2015. Additional details of the notification are provided in the paragraphs below and the enclosure to this letter.

The sand layer is being placed over the minimum area necessary to ensure coverage of the areas where the work on piles occurred during the project. A map is provided showing the surface extent of the sand cover and approximate depth. Placement of the sand cover is feasible in all portions of the construction area.

The sand is from an upland source; the Pacific Northwest Aggregates, Inc. Avery Pit, in Wishram, Washington. The placement of the sand cover is, as requested, shown on an enclosed map.

If you have any questions regarding this progress report, please do not hesitate to contact me at (503) 598-3805, david.harvey@gbx.com, or Andrew Jansky at (503) 679-2700, andrew@flowingsolutions.com.

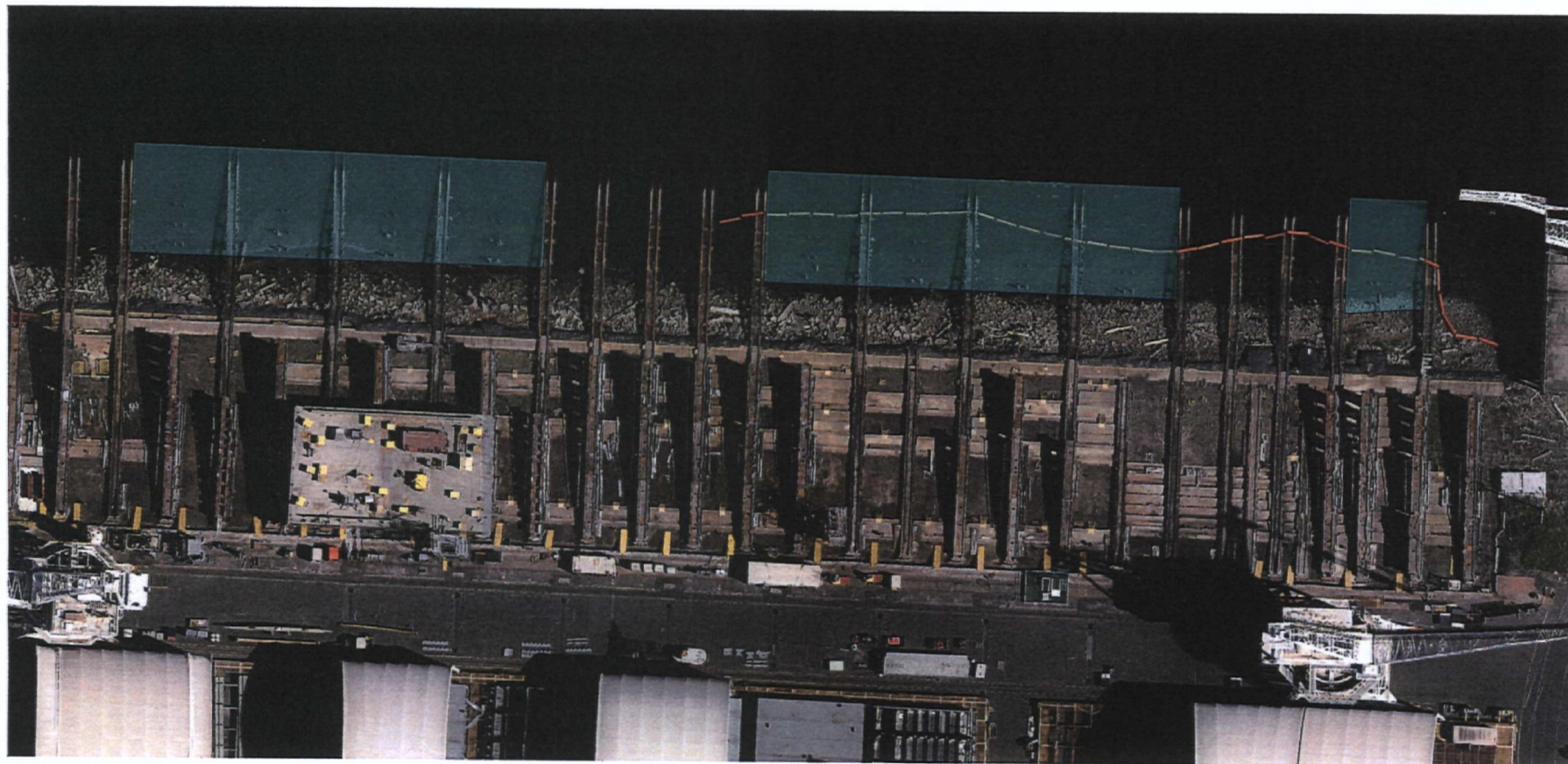
Sincerely,


Soren Hill for

David Harvey
Environmental Director

Copy: Andrew Jansky, Flowing Solutions
Jonathan Freedman, U.S. Environmental Protection Agency, Region 10
Chris Breemer, Cascadia Associates





Legend:



Approximate in water Sand Deployment Area. Average depth is approximately 4' below water surface at the end of October 2015, and varies with time of year. Cap includes sand from an uplands source and material could be used in a potable water system if that were necessary. Material has no biological impact. Cap is placed by a contractor experienced in constructing such caps. Cap will be installed consistent with our current understanding of how a cap should be installed consistent with the draft EPA feasibility study.

Base map prepared from 2284.dwg (HARN/VO.0R-NIF)



0 50 100
Scale in Feet

DRAFT

Approximate Sand Deployment Areas

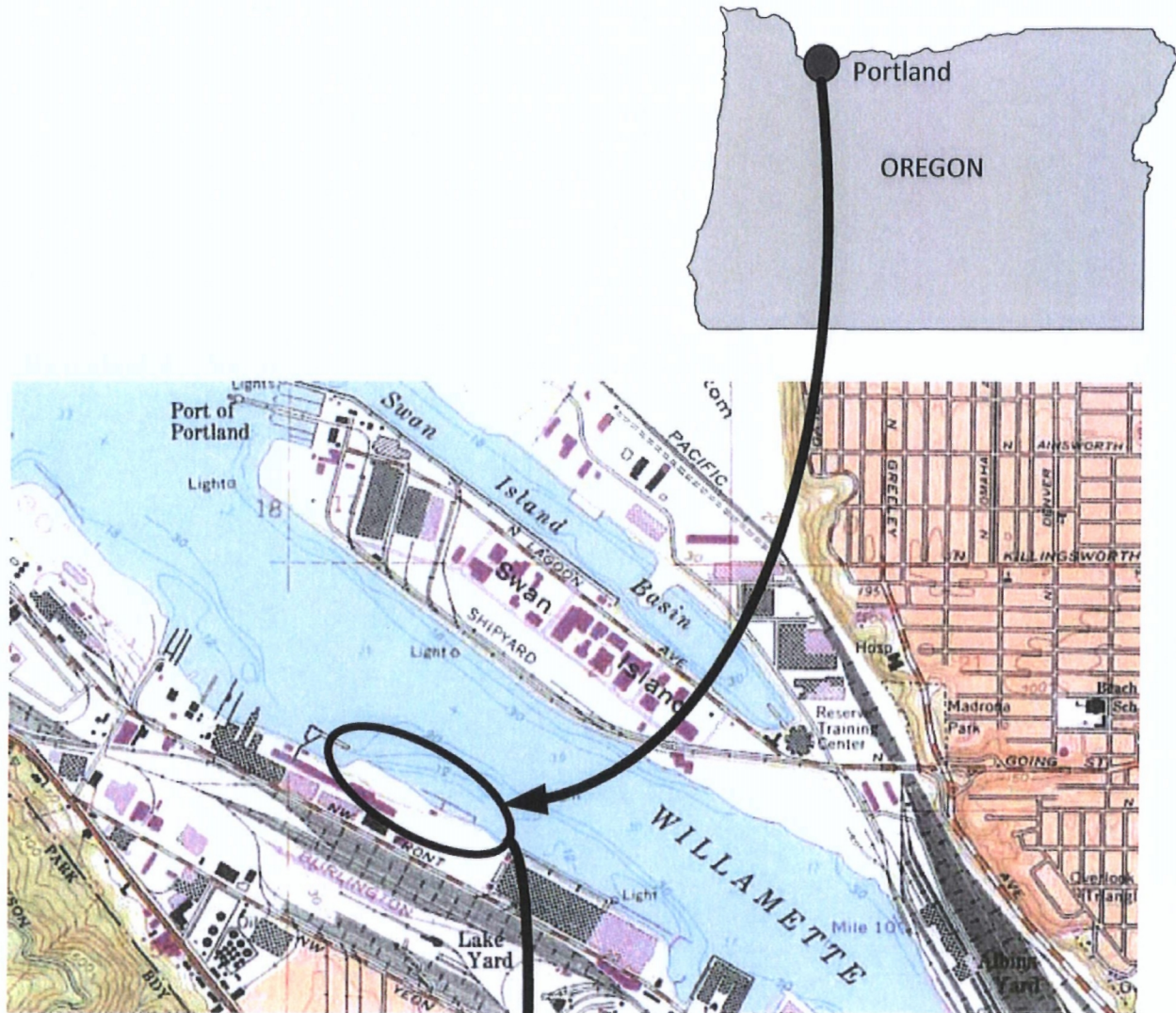
Gunderson Area 2 Launchways
Portland, Oregon



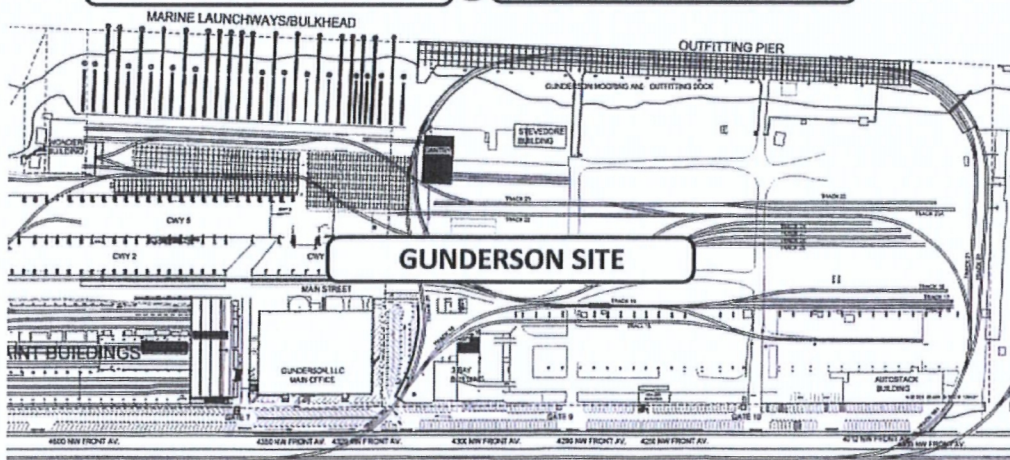
Apex Companies, LLC
3015 SW First Avenue
Portland, Oregon 97201

Project Number	1935-03
October 2015	

Figure	I
--------	---



Ways Repair Outfitting Pier

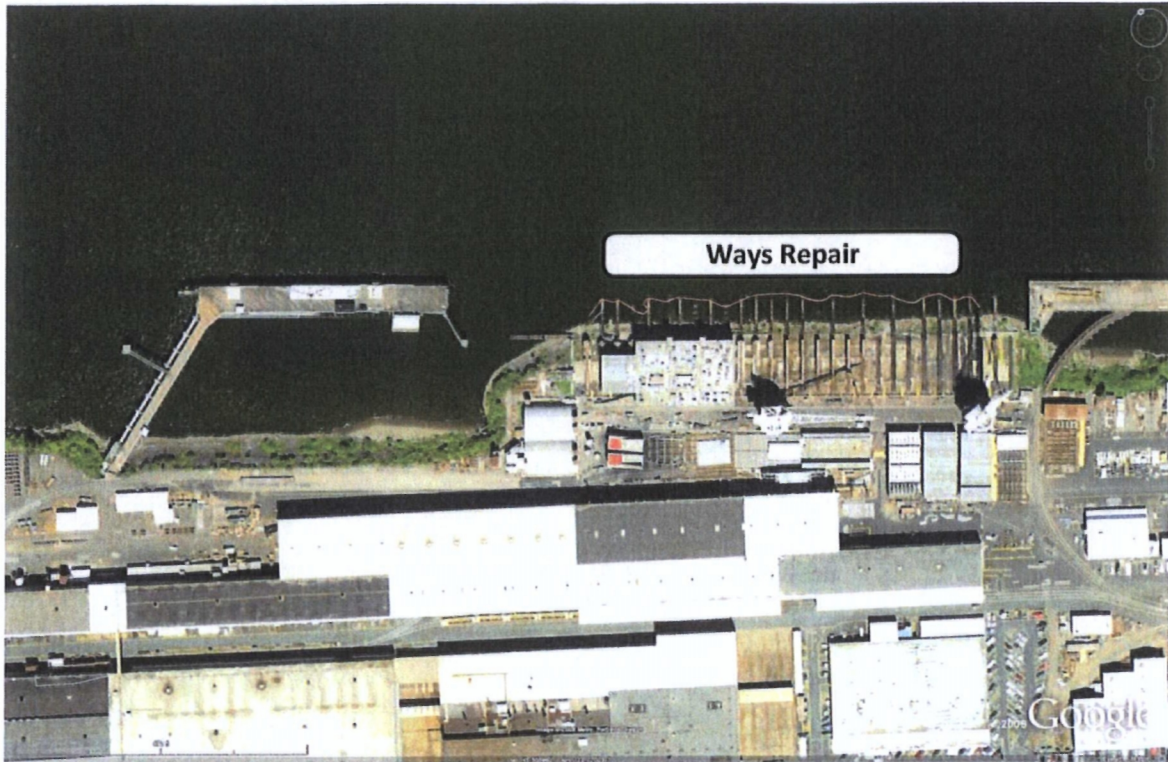


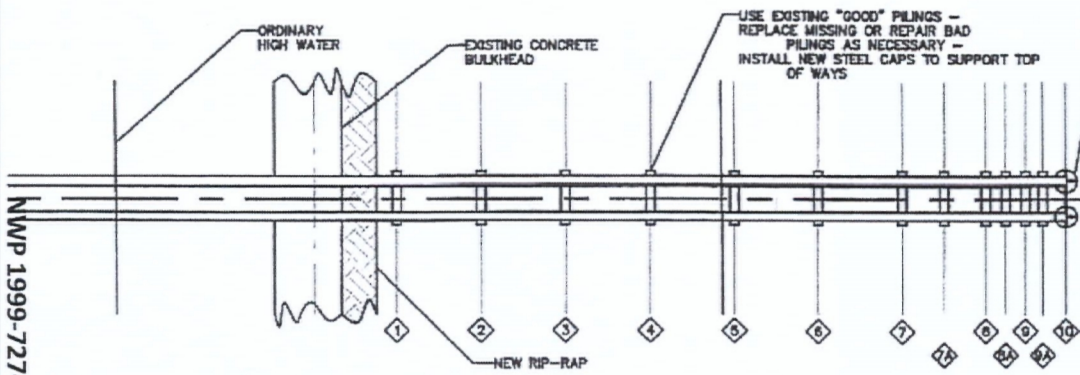
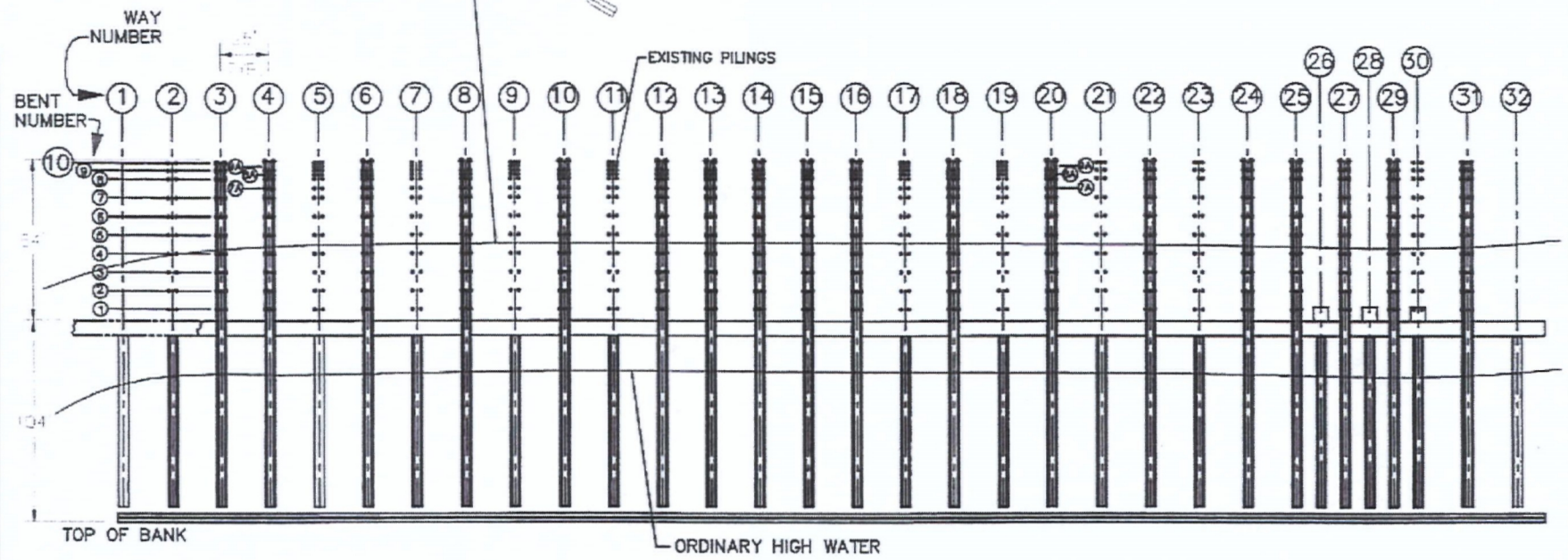
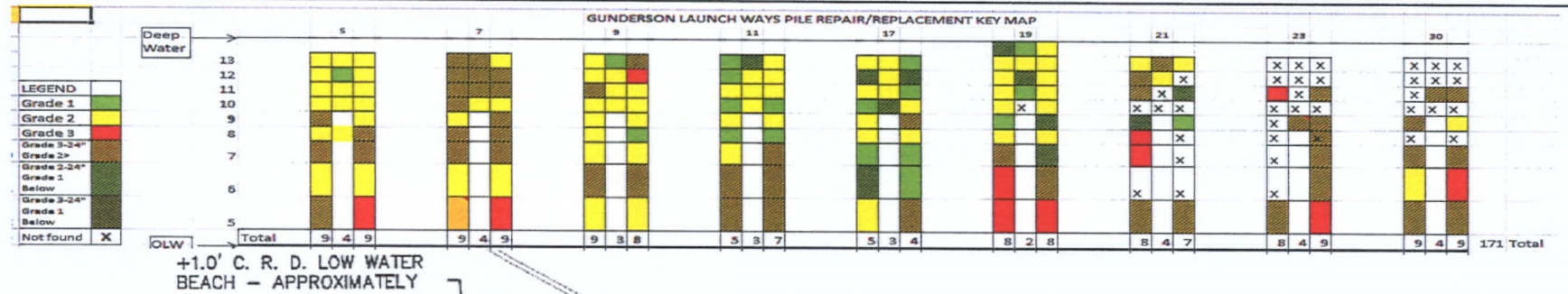
NWP 1999-727-7

GUNDERSON MARINE WAYS AND OUTFITTING PIER REPAIR

CANCELLED NO.
100
101
102
103
106
107
1500

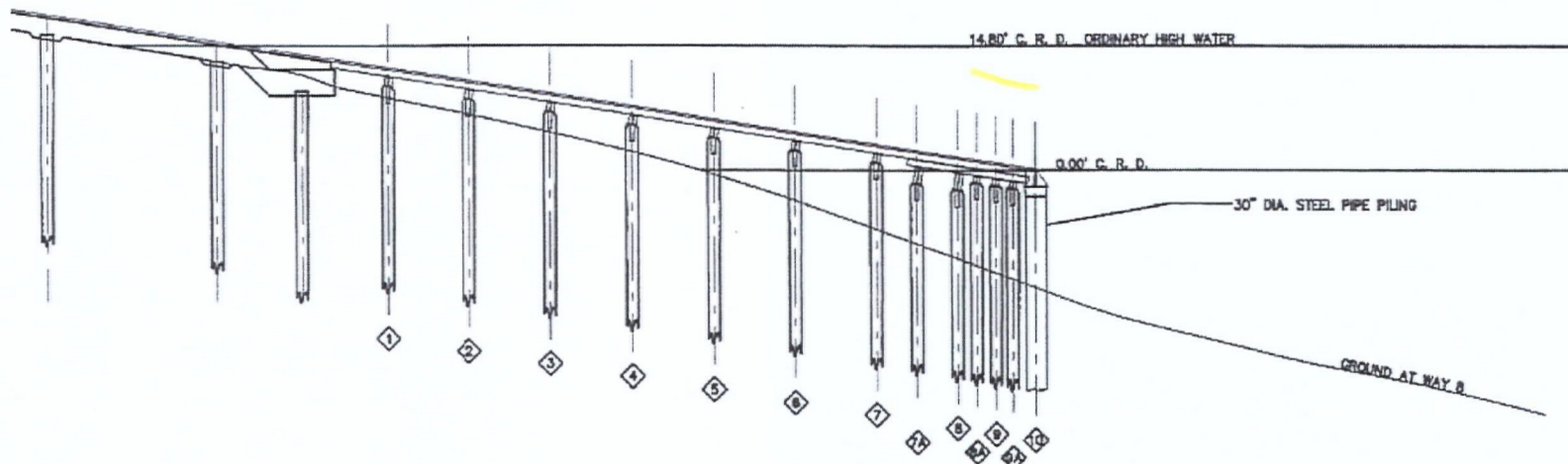






- WAY NOS. 5, 7, 9, 11, 17, 19, 21, AND 23 (8 PLACES):**
- EXTEND OUTER WAYS SIMILAR TO EXISTING OUTER WAYS:
 - **REMOVE EXISTING WOOD PILES AT END BENT 10
 - **REPLACE WITH NEW 30" DIA. PIPE PILE (8 PLACES)
 - **ADD STEEL CAP AND SUPPORT STRUCTURE
- WAY NOS. 3 AND 31 (2 PLACES):**
- MODIFY BOTTOM END OF OUTER WAYS SIMILAR TO THE OTHER EXISTING OUTER WAYS:
 - **REMOVE EXISTING WOOD PILES AT END BENT 10
 - **REPLACE WITH NEW 30" DIA. PIPE PILE (8 PLACES)
 - **ADD STEEL CAP AND SUPPORT STRUCTURE

PLAN VIEW OF A SINGLE OUTER WAYS STRUCTURE



ELEVATION — LOOKING DOWNSTREAM
OUTER LAUNCH WAYS — EXISTING AND NEW

NOTE:

WAY NOS. 4, 6, 8, 10, 12, 13, 14, 15, 16, 18, 20, 22, 24, 25, 27 AND 29 WERE MODIFIED IN 2002 BY REMOVING OUTERMOST ROW OF WOOD PILING AND REPLACING IT WITH 2 30" DIAMETER STEEL PIPE PILINGS AT THE END OF EACH OF THE WAYS.

WAY NOS. 5, 7, 9, 11, 17, 19, 21, AND 23 (8 PLACES):

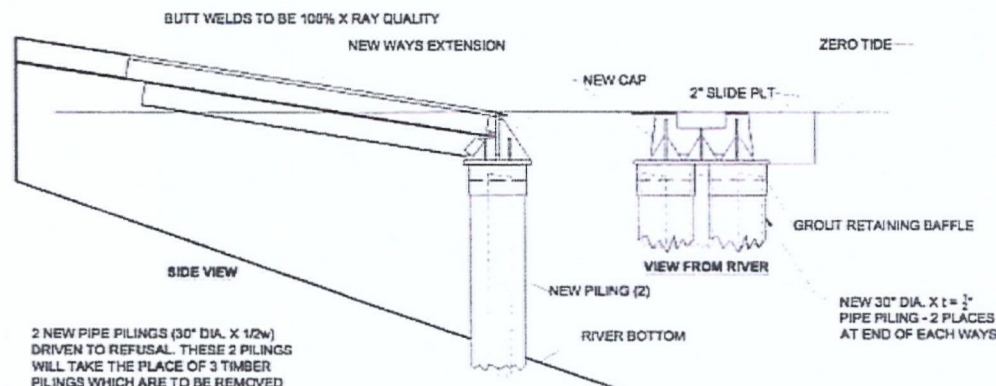
EXTEND OUTER WAYS SIMILAR TO EXISTING OUTER WAYS:

- **REMOVE EXISTING WOOD PILES AT END BENT 10
- **REPLACE WITH NEW 30" DIA. PIPE PILE (8 PLACES)
- **ADD STEEL CAP AND SUPPORT STRUCTURE AS SHOWN AT RIGHT

WAY NOS. 3 AND 31 (2 PLACES):

MODIFY BOTTOM END OF OUTER WAYS SIMILAR TO THE OTHER EXISTING OUTER WAYS:

- **REMOVE EXISTING WOOD PILES AT END BENT 10
- **REPLACE WITH NEW 30" DIA. PIPE PILE (8 PLACES)
- **ADD STEEL CAP AND SUPPORT STRUCTURE AS SHOWN ON SHEET 11



3 EXISTING PILINGS TO BE REMOVED AND REPLACED WITH 2 PIPE PILINGS

UPDATED 2/24/2014

5/8

Ways Repair Detail - Figure 5

2/24/14

Williamette RM8.9

GUNDERSON MARINE WAYS AND OUTFITTING PIER REPAIR

NWP 1999-727-7